

**Notice of Allowability**

Application No.

10/758,545

Examiner

Toan N. Pham

Applicant(s)

GEDDES ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on January 14, 2004.
2. ☒ The allowed claim(s) is/are 1-9 and 11-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 1/14/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

***Allowable Subject Matter***

Claims 1-9 and 11-20 are allowed.

The following is an examiner's statement of reasons for allowance: The present invention is directed to provide for hand held computing devices, including mobile devices, such as personal digital assistant (PDA) devices and lap top computers, which can be utilized in association with proximity sensors for installation and maintenance of such sensors. Each independent claim identifies the uniquely distinct features:

Regarding claim 1: A method comprising the step of "transmitting said data from said sensor to a mobile device having a processor for processing said data and a graphical user interface for the display and manipulation of said data by a user of said mobile device in order to accurately position said sensor and target for installation and maintenance thereof".

Regarding claim 11: A method comprising the step of "transmitting said data from said sensor to a mobile device having for processing by a processor associated by said mobile device; processing said information through said processor associated with said mobile device to generate information associated with a gap present between said target and said sensor for proper installation and mounting of said target and said sensor; storing said data in a database accessible by said mobile device, in response to processing said data by said processor associated with said mobile device and displaying said data via a graphical user interface associated with said mobile device in order for a user of said mobile device to accurately position said sensor and target for installation and maintenance thereof within said electro-mechanical system".

Regarding claim 12: A system comprising "a mobile device which communicates with said sensor, transmits instructions to said sensor, and receives said data from said sensor, wherein said mobile device comprises a processor and a graphical user interface for displaying said data; and a sensor interface module which communicates with said processor of said mobile device and processes said data received by said mobile device from said sensor and instructs said graphical user interface to display said data in a format that permits a user of said mobile device to accurately manipulate said data in order to position said sensor and said target for installation and maintenance thereof".

The closest prior art, Andersen, III (US 5,410,488) and Kayserman (US 5,698,975) disclose conventional proximity sensor mounting and measuring systems, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art of Andersen, III (US 5,410,488), Kayserman (US 5,698,975), Crudden et al. (US 4,827,248) and Christensen et al. (US 5,648,719) are cited to show related proximity sensors and its installation systems.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan N. Pham whose telephone number is (571) 272-2967. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel J. Wu can be reached on (571) 272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

September 15, 2005

**TOAN N. PHAM**  
**PRIMARY EXAMINER**

A handwritten signature in black ink, appearing to read 'Toan N. Pham', written over a horizontal line.